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Sequence Listing was accepted.

See attached Validation Report.

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217-9197 (toll free).

Reviewer: markspencer

Timestamp: [year=2009; month=4; day=17; hr=9; min=13; sec=27; ms=418; ]

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Application No: 10529009 Version No: 3.0

Input Set:

Output Set:

Started: 2009-03-24 19:36:57.775  
Finished: 2009-03-24 19:36:58.624  
Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 849 ms  
Total Warnings: 3  
Total Errors: 3  
No. of SeqIDs Defined: 24  
Actual SeqID Count: 24

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
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# SEQUENCE LISTING

<110> SOEJIMA, KENJI  
MIMURA, NORIKO  
MAEDA, HIROAKI  
NOZAKI, CHIKATERU  
HAMAMOTO, TAKAYOSHI  
NAKAGAKI, TOMOHIRO

<120> ANTIBODY AGAINST VON WILLEBRAND FACTOR CLEAVING ENZYME  
AND ASSAY SYSTEM USING THE SAME

<130> 081356-0237

<140> 10529009

<141> 2005-03-24

<150> PCT/JP03/12280

<151> 2003-09-25

<150> JP 2002-279924

<151> 2002-09-25

<150> JP 2002-377569

<151> 2002-12-26

<160> 24

<170> PatentIn version 3.5

<210> 1

<211> 1427

<212> PRT

<213> Homo sapiens

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Met His Gln Arg His Pro Arg Ala Arg Cys Pro Pro Leu Cys Val Ala  
1 5 10 15

Gly Ile Leu Ala Cys Gly Phe Leu Leu Gly Cys Trp Gly Pro Ser His  
20 25 30

Phe Gln Gln Ser Cys Leu Gln Ala Leu Glu Pro Gln Ala Val Ser Ser  
35 40 45

Tyr Leu Ser Pro Gly Ala Pro Leu Lys Gly Arg Pro Pro Ser Pro Gly  
50 55 60

Phe Gln Arg Gln Arg Gln Arg Gln Arg Arg Ala Ala Gly Gly Ile Leu  
65 70 75 80

His Leu Glu Leu Leu Val Ala Val Gly Pro Asp Val Phe Gln Ala His  
85 90 95

Gln Glu Asp Thr Glu Arg Tyr Val Leu Thr Asn Leu Asn Ile Gly Ala  
100 105 110

Glu Leu Leu Arg Asp Pro Ser Leu Gly Ala Gln Phe Arg Val His Leu  
115 120 125

Val Lys Met Val Ile Leu Thr Glu Pro Glu Gly Ala Pro Asn Ile Thr  
130 135 140

Ala Asn Leu Thr Ser Ser Leu Leu Ser Val Cys Gly Trp Ser Gln Thr  
145 150 155 160

Ile Asn Pro Glu Asp Asp Thr Asp Pro Gly His Ala Asp Leu Val Leu  
165 170 175

Tyr Ile Thr Arg Phe Asp Leu Glu Leu Pro Asp Gly Asn Arg Gln Val  
180 185 190

Arg Gly Val Thr Gln Leu Gly Gly Ala Cys Ser Pro Thr Trp Ser Cys  
195 200 205

Leu Ile Thr Glu Asp Thr Gly Phe Asp Leu Gly Val Thr Ile Ala His  
210 215 220

Glu Ile Gly His Ser Phe Gly Leu Glu His Asp Gly Ala Pro Gly Ser  
225 230 235 240

Gly Cys Gly Pro Ser Gly His Val Met Ala Ser Asp Gly Ala Ala Pro  
245 250 255

Arg Ala Gly Leu Ala Trp Ser Pro Cys Ser Arg Arg Gln Leu Leu Ser  
260 265 270

Leu Leu Ser Ala Gly Arg Ala Arg Cys Val Trp Asp Pro Pro Arg Pro  
275 280 285

Gln Pro Gly Ser Ala Gly His Pro Pro Asp Ala Gln Pro Gly Leu Tyr  
290 300

Tyr Ser Ala Asn Glu Gln Cys Arg Val Ala Phe Gly Pro Lys Ala Val

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Ala Cys Thr Phe	Ala Arg Glu His	Leu Asp Met Cys	Gln Ala Leu Ser			
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Cys His Thr Asp	Pro Leu Asp Gln	Ser Ser Cys Ser	Arg Leu Leu Val			
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Pro Leu Leu Asp	Gly Thr Glu Cys	Gly Val Glu Lys	Trp Cys Ser Lys			
	355		360			365
Gly Arg Cys Arg	Ser Leu Val Glu	Leu Thr Pro Ile	Ala Ala Val His			
	370		375			380
Gly Arg Trp Ser	Ser Trp Gly Pro	Arg Ser Pro Cys	Ser Arg Ser Cys			
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Gly Gly Gly Val	Val Thr Arg Arg	Arg Gln Cys Asn	Asn Pro Arg Pro			
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Ala Phe Gly Gly	Arg Ala Cys Val	Gly Ala Asp Leu	Gln Ala Glu Met			
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Cys Asn Thr Gln	Ala Cys Glu Lys	Thr Gln Leu Glu	Phe Met Ser Gln			
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Gln Cys Ala Arg	Thr Asp Gly Gln	Pro Leu Arg Ser	Ser Pro Gly Gly			
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Ala Ser Phe Tyr	His Trp Gly Ala	Ala Val Pro His	Ser Gln Gly Asp			
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Ala Leu Cys Arg	His Met Cys Arg	Ala Ile Gly Glu	Ser Phe Ile Met			
	485		490			495
Lys Arg Gly Asp	Ser Phe Leu Asp	Gly Thr Arg Cys	Met Pro Ser Gly			
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Pro Arg Glu Asp	Gly Thr Leu Ser	Leu Cys Val Ser	Gly Ser Cys Arg			
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Thr Phe Gly Cys	Asp Gly Arg Met	Asp Ser Gln Gln	Val Trp Asp Arg			
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Cys Gln Val Cys Gly Gly Asp Asn Ser Thr Cys Ser Pro Arg Lys Gly  
545 550 555 560

Ser Phe Thr Ala Gly Arg Ala Arg Glu Tyr Val Thr Phe Leu Thr Val  
565 570 575

Thr Pro Asn Leu Thr Ser Val Tyr Ile Ala Asn His Arg Pro Leu Phe  
580 585 590

Thr His Leu Ala Val Arg Ile Gly Gly Arg Tyr Val Val Ala Gly Lys  
595 600 605

Met Ser Ile Ser Pro Asn Thr Thr Tyr Pro Ser Leu Leu Glu Asp Gly  
610 615 620

Arg Val Glu Tyr Arg Val Ala Leu Thr Glu Asp Arg Leu Pro Arg Leu  
625 630 635 640

Glu Glu Ile Arg Ile Trp Gly Pro Leu Gln Glu Asp Ala Asp Ile Gln  
645 650 655

Val Tyr Arg Arg Tyr Gly Glu Glu Tyr Gly Asn Leu Thr Arg Pro Asp  
660 665 670

Ile Thr Phe Thr Tyr Phe Gln Pro Lys Pro Arg Gln Ala Trp Val Trp  
675 680 685

Ala Ala Val Arg Gly Pro Cys Ser Val Ser Cys Gly Ala Gly Leu Arg  
690 695 700

Trp Val Asn Tyr Ser Cys Leu Asp Gln Ala Arg Lys Glu Leu Val Glu  
705 710 715 720

Thr Val Gln Cys Gln Gly Ser Gln Gln Pro Pro Ala Trp Pro Glu Ala  
725 730 735

Cys Val Leu Glu Pro Cys Pro Pro Tyr Trp Ala Val Gly Asp Phe Gly  
740 745 750

Pro Cys Ser Ala Ser Cys Gly Gly Gly Leu Arg Glu Arg Pro Val Arg  
755 760 765

Cys Val Glu Ala Gln Gly Ser Leu Leu Lys Thr Leu Pro Pro Ala Arg  
 770 775 780

Cys Arg Ala Gly Ala Gln Gln Pro Ala Val Ala Leu Glu Thr Cys Asn  
 785 790 795 800

Pro Gln Pro Cys Pro Ala Arg Trp Glu Val Ser Glu Pro Ser Ser Cys  
 805 810 815

Thr Ser Ala Gly Gly Ala Gly Leu Ala Leu Glu Asn Glu Thr Cys Val  
 820 825 830

Pro Gly Ala Asp Gly Leu Glu Ala Pro Val Thr Glu Gly Pro Gly Ser  
 835 840 845

Val Asp Glu Lys Leu Pro Ala Pro Glu Pro Cys Val Gly Met Ser Cys  
 850 855 860

Pro Pro Gly Trp Gly His Leu Asp Ala Thr Ser Ala Gly Glu Lys Ala  
 865 870 875 880

Pro Ser Pro Trp Gly Ser Ile Arg Thr Gly Ala Gln Ala Ala His Val  
 885 890 895

Trp Thr Pro Ala Ala Gly Ser Cys Ser Val Ser Cys Gly Arg Gly Leu  
 900 905 910

Met Glu Leu Arg Phe Leu Cys Met Asp Ser Ala Leu Arg Val Pro Val  
 915 920 925

Gln Glu Glu Leu Cys Gly Leu Ala Ser Lys Pro Gly Ser Arg Arg Glu  
 930 935 940

Val Cys Gln Ala Val Pro Cys Pro Ala Arg Trp Gln Tyr Lys Leu Ala  
 945 950 955 960

Ala Cys Ser Val Ser Cys Gly Arg Gly Val Val Arg Arg Ile Leu Tyr  
 965 970 975

Cys Ala Arg Ala His Gly Glu Asp Asp Gly Glu Glu Ile Leu Leu Asp  
 980 985 990

Thr Gln Cys Gln Gly Leu Pro Arg Pro Glu Pro Gln Glu Ala Cys Ser  
995 1000 1005

Leu Glu Pro Cys Pro Pro Arg Trp Lys Val Met Ser Leu Gly Pro  
1010 1015 1020

Cys Ser Ala Ser Cys Gly Leu Gly Thr Ala Arg Arg Ser Val Ala  
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Cys Val Gln Leu Asp Gln Gly Gln Asp Val Glu Val Asp Glu Ala  
1040 1045 1050

Ala Cys Ala Ala Leu Val Arg Pro Glu Ala Ser Val Pro Cys Leu  
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Ile Ala Asp Cys Thr Tyr Arg Trp His Val Gly Thr Trp Met Glu  
1070 1075 1080

Cys Ser Val Ser Cys Gly Asp Gly Ile Gln Arg Arg Arg Asp Thr  
1085 1090 1095

Cys Leu Gly Pro Gln Ala Gln Ala Pro Val Pro Ala Asp Phe Cys  
1100 1105 1110

Gln His Leu Pro Lys Pro Val Thr Val Arg Gly Cys Trp Ala Gly  
1115 1120 1125

Pro Cys Val Gly Gln Gly Thr Pro Ser Leu Val Pro His Glu Glu  
1130 1135 1140

Ala Ala Ala Pro Gly Arg Thr Thr Ala Thr Pro Ala Gly Ala Ser  
1145 1150 1155

Leu Glu Trp Ser Gln Ala Arg Gly Leu Leu Phe Ser Pro Ala Pro  
1160 1165 1170

Gln Pro Arg Arg Leu Leu Pro Gly Pro Gln Glu Asn Ser Val Gln  
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Ser Ser Ala Cys Gly Arg Gln His Leu Glu Pro Thr Gly Thr Ile  
1190 1195 1200

Asp Met Arg Gly Pro Gly Gln Ala Asp Cys Ala Val Ala Ile Gly



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Leu Asn Cys Ser Ala Gly Asp Met Leu Leu Leu Trp Gly Arg Leu		
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Thr Trp Arg Lys Met Cys Arg Lys Leu Leu Asp Met Thr Phe Ser		
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Ser Lys Thr Asn Thr Leu Val Val Arg Gln Arg Cys Gly Arg Pro		
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Thr Phe Tyr Arg Glu Cys Asp Met Gln Leu Phe Gly Pro Trp Gly		
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Glu Ile Val Ser Pro Ser Leu Ser Pro Ala Thr Ser Asn Ala Gly		
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Gly Cys Arg Leu Phe Ile Asn Val Ala Pro His Ala Arg Ile Ala		
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Ile His Ala Leu Ala Thr Asn Met Gly Ala Gly Thr Glu Gly Ala		
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Asn Ala Ser Tyr Ile Leu Ile Arg Asp Thr His Ser Leu Arg Thr		
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Ala Ser Leu Arg Gly Gln Tyr Trp Thr Leu Gln Ser Trp Val Pro		
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